

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 16164
Application ID: 10064306
Title of Invention: WRITEBACK AND REFRESH
CIRCUITRY FOR DIRECT SENSED
DRAM MACRO
First Named Inventor: Ciaran Brennan
Domestic/Foreign Application: Domestic Application
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Filing Type: new-utility
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Trademark Office, ou=Department of Commerce, o=U.S.
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Certificate Message Digest: oZ13J7EvJOXLYHwY+gTSSw==
Total Fees Authorized: \$780.0

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TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility
Patent Filing

Attorney Docket
Number:

FIS920010334

WRITEBACK AND REFRESH CIRCUITRY FOR DIRECT SENSED DRAM MACRO

First Named Inventor: Mr. Ciaran J. Brennan

SUBMITTED BY

Name: Robert A. Walsh

Registration Number: 26,516

Electronic Signature Mark: Robert A.
Walsh /s/ Date Signed: 20020701

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	FIS920010334US1Dec1.tif
declaration	FIS920010334US1Dec2.tif

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bibd-transmittal	FIS920010334US1RAWapds.xml
us-information-disclosure-statement	FIS920010334US1RAWids.xml
patent-assignments	FIS920010334US1RAWasgn.xml
specification	FIS920010334US1.xml
fee-transmittal	FIS920010334US1RAWfee.xml

Attached Image File(s):

FIS920010334US1Dec1.tif
FIS920010334US1Dec2.tif

Comments:

Assignee: International Business Machines Corporation Address: Armonk, NY 10504

FI3920010334US1

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

WRITEBACK AND REFRESH CIRCUITRY FOR DIRECT SENSED DRAM MACRO

the specification of which:
(check one)

is attached hereto.
 was filed on _____, as Application Serial No. _____ and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefit under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Number	Country	Day/Month/Year	Priority Claimed
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Applications:

Serial No.	Filing Date	Status
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Mark F. Chundurian (Reg. No. 30,739), Richard M. Konulak (Reg. No. 27,712), James M. Lenz (Reg. No. 34,372), William D. Sabo (Reg. No. 27,463), Robert A. Walsh (Reg. No. 26,516), Howard J. Walker, Jr. (Reg. No. 24,832), Richard A. Henkler (Reg. No. 39,220), Richard L. Catania, Reg. No. 32,608, Reg. No. 32,608; Leopold Posner, Reg. No. 19,827; Frank S. DiCiglio, Reg. No. 31,346; Kenneth L. King, Reg. No. 24,233; William C. Rock, Reg. No. 24,972; Edward W. Griviz, Reg. No. 33,705; Steven Fishman, Reg. No. 34,394; Christopher A. Hughes (Reg. No. 36,914), John E. Hoi (Reg. No. 26,279), Joseph C. Redmond, Jr. (Reg. No. 18,753).

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FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 09-0456



Deposit Account Name: International Business Machines Corporation

SUBMITTED BY

Authorized Name: Robert A. Walsh

Electronic Signature Mark: Robert A. Walsh /s/

Date Signed: 20020701

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

[REDACTED]

AMERICAN INVENTION CO.

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40